

ABSTRACT

A reaction product is prepared by reacting a first polymer having pendant or terminal carboxyl or anhydride groups with a second polymer (e.g. elastomer) having an amine containing terminal group. The second polymer is anionically polymerized. The second polymer is functionalized by reacting the growing anionic chain end with an imine. Then a protic terminating agent terminates the growing chain end. The first and second polymers are reacted by mixing (desirably above their softening temperatures) and forming a blend with improved physical properties over a blend of similar polymers lacking a reactive amine group.

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